

## ABSTRACT

A pixel interpolation circuit according to this invention includes a plurality of interpolation circuits each calculating interpolation candidate data of a interpolation pixel and test interpolation data of a plurality of pixels neighboring the interpolation pixel using different interpolation methods, a determining circuit for selecting one of the interpolation circuits based on a difference between the test interpolation data and actual pixel data, and an output circuit for outputting the interpolation candidate data calculated by the selected interpolation circuit as the interpolation pixel data.